CLAIMS

What is claimed is:

1.   A method for allocating an N number of registers for use in conjunction with modification of a block of programming code, comprising the steps of:

        identifying a statement allocating registers, the statement being associated with the block of programming code;

        identifying parameters associated with the statement; and

        by using the parameters as inputs, generating new parameters for use in the statement to allocate the N number of registers.

2.   The method of claim 1 wherein the parameters and the new parameters each include a parameter identifying a number I of input registers, a parameter identifying a number L of local registers, and a parameter identifying a number O of output parameters.

3.   The method of claim 2 wherein the step of generating new parameters comprises the step of modifying the number O of the parameters to generate the number O of the new parameters.